

AMENDMENTS TO THE CLAIMS

Listing of the claims:

Following is a listing of all claims in the present application, which listing supersedes all previously presented claims:

1. (Currently Amended) A head suspension assembly comprising:
a magnetic head slider with at least one thin-film magnetic head element;
a support member for supporting said magnetic head slider at a top end portion thereof;
a drive circuit electrically connected to said at least one thin-film magnetic head element; and
at least two diode elements connected ~~toward one direction~~ with the same polarity in parallel with terminals which are connected across said at least one thin-film magnetic head element, each of said diode elements having a turn-on voltage higher than the maximum output voltage of said at least one thin-film magnetic head element.
2. (Previously Presented) A head suspension assembly as claimed in claim 1, wherein each of said diode elements is a diode element having a turn-on response speed sufficient to prevent leakage of an electrostatic discharge current from causing pin-inversion in the at least one thin-film magnetic head element.
3. (Original) A head suspension assembly as claimed in claim 1, wherein said drive circuit and said at least two diode elements are formed within an IC chip.
4. (Original) A head suspension assembly as claimed in claim 3, wherein said IC chip is mounted on said support member.

5. (Original) A head suspension assembly as claimed in claim 3, wherein assembly further includes a printed circuit board extended from said support member, and wherein said IC chip is mounted on said printed circuit board.

6. (Original) A head suspension assembly as claimed in claim 1, wherein said at least one thin-film magnetic head element includes a magnetoresistive effect element.

7. (Original) A head suspension assembly as claimed in claim 6, wherein said magnetoresistive effect element is an anisotropic magnetoresistive effect element.

8. (Original) A head suspension assembly as claimed in claim 6, wherein said magnetoresistive element is a giant magnetoresistive effect element.

9. (Original) A head suspension assembly as claimed in claim 6, wherein said magnetoresistive effect element is a tunneling magnetoresistive effect element.

10. (Original) A head suspension assembly as claimed in claim 1, wherein said at least one thin-film magnetic head element includes an inductive recording element and a magnetoresistive effect reproducing element.

11. (Original) A head suspension assembly as claimed in claim 10, wherein said magnetoresistive effect element is an anisotropic magnetoresistive effect element.

12. (Original) A head suspension assembly as claimed in claim 10, wherein said magnetoresistive effect reproducing element is a giant magnetoresistive effect element.

13. (Original) A head suspension assembly as claimed in claim 10, wherein said magnetoresistive effect reproducing element is a tunneling magnetoresistive effect element.